

The following are the
4 samples to be used
at Nottawasaga during
Breakout #7 (every
group gets the SAME
4 samples to look at
through different
lenses)

Keepin' Tabs

A student council collects aluminum pop tabs to raise money to purchase a wheelchair. A company buys the pop tabs for \$0.88 per kilogram.

If 1267 pop tabs have a mass of one pound, how many pop tabs are needed to purchase a wheelchair worth \$1500?

Show your work.

$$1267 \times 2.2^{lb} = 2787.4$$

Hint:

1 kilogram = 2.2 pounds

$$2787.4 = 88¢$$

$$\$1500 \div \$0.88 = 1704.5$$

$$1704.5 \times 2787.4 = 4,751,123.3$$

\therefore we need 4751124 pop tabs to get the wheelchair



4 Keepin' Tabs

A student council collects aluminum pop tabs to raise money to purchase a wheelchair. A company buys the pop tabs for \$0.88 per kilogram.

If 1267 pop tabs have a mass of one pound, how many pop tabs are needed to purchase a wheelchair worth \$1500?

Show your work.

Hint:

1 kilogram = 2.2 pounds

$$1267 = 0.45 \text{ kg}$$

$$0.45 \times 0.88 = 0.396$$

$$0.45 \times 5 = 2.25 \times 0.88 = 1.98$$

$$0.45 \times 100 = 45 \times 0.88 = 39.6$$

$$0.45 \times 1000 = 450 \times 0.88 = 396$$

$$0.45 \times 2000 = 900 \times 0.88 = 792$$

$$0.45 \times 10000 = 4950 \times 0.88 = 4356$$

$$0.45 \times 4000 = 1800 \times 0.88 = 1584$$

\therefore you would need 5068000 pop tabs to collect enough money to buy the wheelchair and you would have \$84 left over.

$$1267 \times 4000 = 5068000$$



Keepin' Tabs

A student council collects aluminum pop tabs to raise money to purchase a wheelchair. A company buys the pop tabs for \$0.88 per kilogram.

If 1267 pop tabs have a mass of one pound, how many pop tabs are needed to purchase a wheelchair worth \$1500?

Show your work.

Hint:

1 kilogram = 2.2 pounds

$$\cancel{\$0.88} = 1.93 \text{ (pounds)}$$

$$1267 \times 1.93$$

$$\frac{1500}{1.93} \times 777.20$$

$$777.20 \times 1.93$$

$$= 1499.96 = 1500 *$$

~~777.20 Pop tabs are needed to purchase a wheelchair~~

1267 tabs are in 1 pound

but 2.2 pounds = 1 kg

$$\therefore 1267 \times 2.2 = 2787.4$$

So there are 2787.4 pop tabs in 2.2 pounds.



Sample #4

4 Keepin' Tabs

A student council collects aluminum pop tabs to raise money to purchase a wheelchair. A company buys the pop tabs for \$0.88 per kilogram.

If 1267 pop tabs have a mass of one pound, how many pop tabs are needed to purchase a wheelchair worth \$1500?

Show your work.

$$2.2 \times 0.88 = \$1.94 \text{ for 1267 tabs} \times$$

Hint:

1 kilogram = 2.2 pounds

$$1 \text{ pound} = 2.2 \text{ kg}$$

$$\frac{1267}{1.94} \times = 1500$$

$$= 97,963.91 \text{ tabs}$$

therefor you will need 97,963.91 tabs to buy the wheelchair.

